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#### PATENT COOPERATION TREATY

To:

#### From the INTERNATIONAL BUREAU

#### **PCT**

#### **NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

HANSEN, Hans-Jürgen

United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year)

27 July 1998 (27.07.98)

in its capacity as elected Office

International application No.
PCT/IB96/01410
Applicant's or agent's file reference
P 1099
International filing date (day/month/year)
10 December 1996 (10.12.96)
Applicant

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	30 June 1998 (30.06.98)
	in a notice effecting later election filed with the International Bureau on:
2.	· The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

C. Cupello

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

7

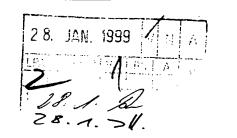


From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

E. BLUM & Co. Vorderberg 11 8044 ZÜRICH SUISSE



### PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Rule 71.1)

Date of mailing

(day/month/year)

26.01.99

Applicant's or agent's file reference

P 1099

IMPORTANT NOTIFICATION

International application No. PCT/IB96/01410

International filing date (day/month/year) 10/12/1996

Priority date (day/month/year) 10/12/1996

10/12/1996

Applicant

KANTON ZURICH VERTRETEN DURCH DIE ..... et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

European Patent Office D-80298 Munich

Tel. (+49-89) 2399-0, Tx: 523656 epmu d

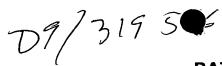
Fax: (+49-89) 2399-4465

Authorized officer

Oberhauser, A

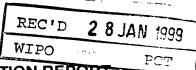
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### **PCT**



### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Appli	cant's or a	genť	s file reference	FOR FURTHER	ACTION	See	Notification of Transmittal of International iminary Examination Report (PCT/IPEA/416)
P 10	99 '					Preii	
Inter	International application No.			International filing date (da	ay/month/year)		Priority date (day/month/year)
PC	PCT/IB96/01410 10/12/1			10/12/1996	0/12/1996		10/12/1996
Inter	national P	atent	Classification (IPC) or na	ational classification and IPC			
G11	B7/24						
	icant		_				
KAI	NTON Z	URIC	H VERTRETEN D	URCH DIE et al.	·		
	and is tr	ansm	itted to the applicant	according to Article 36.			ternational Preliminary Examining Authority
2.	This RE	POR	T consists of a total o	f 4 sheets, including thi	s cover sheet	t.	
	a chi	iah h	wa baan amended a	nd are the basis for this I	report and/or	sneets	tion, claims and/or drawings s containing rectifications made ve Instructions under the PCT).
These annexes consist of a total of 12 sheets.				· ·			
3.	This rep	ort co	ontains indications re	lating to the following ite	ms: .		
	1.	$\boxtimes$	Basis of the report				
	H		Priority				
	111		Non-establishment	of opinion with regard to	novelty, inver	ntive s	step and industrial applicability
	IV		Lack of unity of inve				
V ⊠ Reasoned statement citations and explana		nt under Article 35(2) with nations supporting such	h regard to no statement	ovelty,	inventive step or industrial applicability;		
	VI		Certain documents	cited			
	VII	$\boxtimes$	Certain defects in the	ne international application	on .		
	VIII	$\boxtimes$	Certain observation	is on the international ap	plication		
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		Eur	opean Patent Office		-		
		D-8	0298 Munich		Hillebrec	ht, D	
1	ارك	Tel	. (+49-89) 2399-0, Tx: 5	23656 epmu d	1		(Salva)

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Fax: (+49-89) 2399-4465

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/IB96/01410

<ol> <li>Basis of the report</li> </ol>	t 🖸	-
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1. This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

	the	report since they d	lo not contain amendments.):			
	Des	cription, pages:				
	1-42 51	2,44,45,50,	as originally filed			
	43,4	<b>1</b> 6-49	as received on	09/09/1998	with letter of	04/09/1998
	Clai	ims, No.:				
	1-15	5,16 (part)	as received on	09/09/1998	with letter of	04/09/1998
	16 (	part),17-25	as received on	12/01/1999	with letter of	08/01/1999
	Dra	wings, sheets:				
	1/2,	2/2	as originally filed		·	
2.	The	amendments hav	e resulted in the cancellation of:	:		
		the description,	pages:			
		the claims,	Nos.:			
		the drawings,	sheets:			
3.		This report has b considered to go	een established as if (some of) t beyond the disclosure as filed (	the amendme Rule 70.2(c)):	nts had not been made	e, since they have beer
		•				
4.	Add	ditional observation	ns, if necessary:			

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/IB96/01410

- V. R asoned stat ment under Article 35(2) with regard to novelty, inv ntiv step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: No: Claims 1-15,17-25

Claims 1-15

Inventive step (IS)

Yes:

Claims 1-25

No:

Claims

Industrial applicability (IA)

Yes:

Claims 1-25

No: Claims

2. Citations and explanations

see separate sheet

#### VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

### VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

- V. The present application does not meet the criterion set forth in Article 33(2) PCT because the subject-matter of claim 16 is not new in respect of the prior art as defined in the regulations (Rule 64(1)-(3) PCT).
- 1. The disclaimer at page 54b, lines 34 to 37 appears to comprise clerical errors. The group at position 2 should obviously read:

$$CH_3$$
- $(CH_2)_2$ - $(1,4)$ - $C_6H_{10}$ - $(CH_2)_2$ - $(1,4)$ - $C_6H_{10}$ - $OCO$ -

Compound 6 of D4 was thus not properly disclaimed and is therefore still within the scope of the claim.

- 2. Moreover, those heptalenes comprising a lactone moiety (annelated furanones) and the compound of D8 are considered to be included in the wording of the present claims, since the claim does not exclude the possibility that two substituents may form a ring. It is therefore considered that this possibility is implicitly enclosed. This examining authority acknowledges that an alkyl group is defined as an alkane, from which one hydrogen atom has been removed. However, present claims includes not only C<sub>1</sub> to C<sub>2</sub> alkyl groups but also substituted alkyl groups, which allow substitution of further hydrogen atoms.
- VII. The specification was not adapted to the claims to be filed.

Contrary to the requirements of Rule 5.1 (a)(ii) PCT, the relevant background art disclosed in D1 to D6 is not mentioned in the description, nor are these documents identified therein.

VIII. The application does not comply with Article 6 PCT for the following reasons:

The formulae in claim 19 do not comprise an index "n", although said index is mentioned in the claim.

### INTERNATIONAL SEARCH REPORT

Intern al Application No PCT/IB 96/01410

A CLASS	IFICATION OF SUBJECT MATTER					
IPC 6	G11B7/24 C07C69/753					
	and the second s					
	According to International Patent Classification (IPC) or to both national classification and IPC					
	S SEARCHED documentation searched (classification system followed by class	ification symbols)				
IPC 6	G11B C07C	•				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic	data base consulted during the international search (name of data	ta base and, where practical, search terms used)				
•						
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of	the relevant passages	Relevant to claim No.			
Х	HELVETICA CHIMICA ACTA,		17			
	vol. 77, 1994, BASEL CH,					
	pages 1940-1968, XP002039067					
٨	HANSEN H-J ET AL: see the whole document		1			
Α	see the whole document	10	-			
Х	HELVETICA CHIMICA ACTA,		17			
	vol. 70, 1987, BASEL CH,					
	pages 742-759, XP002039068					
١,	HANSEN H-J ET AL: see the whole document		1			
A	see the whole document		_			
х	HELVETICA CHIMICA ACTA,		17			
	vol. 68, 1985, BASEL CH,					
	pages 429-438, XP002039069 HANSEN H-J:					
Α	HANSEN H-U:		1			
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		-/				
1						
X Fu	orther documents are listed in the continuation of box C.	Patent family members are listed	in annex.			
° Special o	categories of cited documents:	"T" later document published after the in	ternational filing date			
'A' docu	ment defining the general state of the art which is not	or priority date and not in conflict we cited to understand the principle or t	ith the application but			
cons	idered to be of particular relevance or document but published on or after the international	invention "X" document of particular relevance; the				
filing	g date	cannot be considered novel or canno involve an inventive step when the d	t be considered to			
whic	ment which may throw doubts on priority claim(s) or this cited to establish the publication date of another	"Y" document of particular relevance; the	claimed invention			
"O" document referring to an oral disclosure, use, exhibition or document is combined wi			nvolve an inventive step when the ith one or more other such docu-			
1	r means ment published prior to the international filing date but	ments, such combination being obvious in the art.				
	r than the priority date claimed	'&' document member of the same pater	t family			
Date of th	he actual completion of the international search	Date of mailing of the international s	earch report			
	27 August 1997	2 2. 09. 97				
	d mailing address of the ISA	Authorized officer				
1 value and	European Patent Office, P.B. 5818 Patentlaan 2					
	NL - 2280 HV Rijswijk Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl,	Heywood, C				
1	Fax: (+31-70) 340-3016	1				

Form PCT/ISA/218 (second sheet) (July 1992)

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### INTERNATIONAL SEARCH REPORT

Intern al Application No PCT/IB 96/01410

citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
TETRAHEDRON LETTERS, vol. 27, no. 15, 1986, OXFORD GB, pages 1669-1672, XP002039070 K HAFNER ET AL: see the whole document	17
TETRAHEDRON LETTERS, vol. 27, no. 15, 1986, OXFORD GB, pages 1673-1676, XP002039071 K HAFNER ET AL: see the whole document	17
HELVETICA CHIMICA ACTA, vol. 79, no. 8, 11 December 1996, BASEL CH, pages 2282-2315, XP002039072 HANSEN H-J ET AL: see the whole document	1
•	
	TETRAHEDRON LETTERS, vol. 27, no. 15, 1986, OXFORD GB, pages 1669-1672, XP002039070 K HAFNER ET AL: see the whole document  TETRAHEDRON LETTERS, vol. 27, no. 15, 1986, OXFORD GB, pages 1673-1676, XP002039071 K HAFNER ET AL: see the whole document  HELVETICA CHIMICA ACTA, vol. 79, no. 8, 11 December 1996, BASEL CH, pages 2282-2315, XP002039072 HANSEN H-J ET AL:

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